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RAW SEQUENCE LISTING

DATE: 04/07/2000

TECH CENTER 1600/2900

PATENT APPLICATION US/09/157,748

TIME: 13:15:49

Input Set: I157748.RAW

This Raw Listing contains the General Information  
Section and up to first 5 pages.

1 <110> APPLICANT: Lorens, James  
2 <120> TITLE OF INVENTION: Multiparameter FACS Assays to Detect Alterations in  
3 Cell Cycle Regulation  
4 <130> FILE REFERENCE: A66587/DJB/RMS  
5 <140> CURRENT APPLICATION NUMBER: US/09/157,748  
6 <141> CURRENT FILING DATE: 1998-09-21  
7 <160> NUMBER OF SEQ ID NOS: 46  
8 <170> SOFTWARE: PatentIn Ver. 2.0  
9 <210> SEQ ID NO 1  
10 <211> LENGTH: 9  
11 <212> TYPE: PRT  
12 <213> ORGANISM: Homo sapiens  
13 <400> SEQUENCE: 1  
14 Arg Thr Val Leu Gly Val Ile Val Asp  
15 1 5  
16 <210> SEQ ID NO 2  
17 <211> LENGTH: 9  
18 <212> TYPE: PRT  
19 <213> ORGANISM: Homo sapiens  
20 <400> SEQUENCE: 2  
21 Arg Thr Ala Leu Gly Asp Ile Gly Asn  
22 1 5  
23 <210> SEQ ID NO 3  
24 <211> LENGTH: 27  
25 <212> TYPE: PRT  
26 <213> ORGANISM: Rat  
27 <400> SEQUENCE: 3  
28 Tyr Met Thr Val Ser Ile Ile Asp Arg Phe Met Gln Asp Ser Cys Val  
29 1 5 10 15  
30 Pro Lys Lys Met Leu Gln Leu Val Gly Val Thr  
31 20 25  
32 <210> SEQ ID NO 4  
33 <211> LENGTH: 28  
34 <212> TYPE: PRT  
35 <213> ORGANISM: Mouse  
36 <400> SEQUENCE: 4  
37 Lys Phe Arg Leu Leu Gln Glu Thr Met Tyr Met Thr Val Ser Ile Ile  
38 1 5 10 15  
39 Asp Arg Phe Met Gln Asn Ser Cys Val Pro Lys Lys  
40 20 25  
41 <210> SEQ ID NO 5  
42 <211> LENGTH: 27  
43 <212> TYPE: PRT  
44 <213> ORGANISM: Mouse

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45 <400> SEQUENCE: 5
46   Arg Ala Ile Leu Ile Asp Trp Leu Ile Gln Val Gln Met Lys Phe Arg
47       1             5             10             15
48   Leu Leu Gln Glu Thr Met Tyr Met Thr Val Ser
49           20             25
50 <210> SEQ ID NO 6
51 <211> LENGTH: 27
52 <212> TYPE: PRT
53 <213> ORGANISM: Mouse
54 <400> SEQUENCE: 6
55   Asp Arg Phe Leu Gln Ala Gln Leu Val Cys Arg Lys Lys Leu Gln Val
56       1             5             10             15
57   Val Gly Ile Thr Ala Leu Leu Leu Ala Ser Lys
58           20             25
59 <210> SEQ ID NO 7
60 <211> LENGTH: 18
61 <212> TYPE: PRT
62 <213> ORGANISM: Mouse
63 <400> SEQUENCE: 7
64   Met Ser Val Leu Arg Gly Lys Leu Gln Leu Val Gly Thr Ala Ala Met
65       1             5             10             15
66   Leu Leu
67 <210> SEQ ID NO 8
68 <211> LENGTH: 62
69 <212> TYPE: PRT
70 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
73 <300> PUBLICATION INFORMATION:
74 <301> AUTHORS: Martin et al.,
75 <303> JOURNAL: EMBO J.
76 <304> VOLUME: 13
77 <305> ISSUE: 22
78 <306> PAGES: 5303-5309
79 <307> DATE: 1994
80 <400> SEQUENCE: 8
81   Met Gly Cys Ala Ala Leu Glu Ser Glu Val Ser Ala Leu Glu Ser Glu
82       1             5             10             15
83   Val Ala Ser Leu Glu Ser Glu Val Ala Ala Leu Gly Arg Gly Asp Met
84           20             25             30
85   Pro Leu Ala Ala Val Lys Ser Lys Leu Ser Ala Val Ser Lys Ser Lys
86           35             40             45
87   Leu Ala Ser Val Lys Ser Lys Leu Ala Ala Cys Gly Pro Pro
88       50             55             60
89 <210> SEQ ID NO 9
90 <211> LENGTH: 69
91 <212> TYPE: PRT
92 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic

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**RAW SEQUENCE LISTING**  
**PATENT APPLICATION US/09/157,748**

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95  <400> SEQUENCE: 9
96  Met Gly Arg Asn Ser Gln Ala Thr Ser Gly Phe Thr Phe Ser His Phe
97      1              5              10              15
98  Tyr Met Glu Trp Val Arg Gly Gly Glu Tyr Ile Ala Ala Ser Arg His
99      20              25              30
100 Lys His Asn Lys Tyr Thr Thr Glu Tyr Ser Ala Ser Val Lys Gly Arg
101      35              40              45
102 Tyr Ile Val Ser Arg Asp Thr Ser Gln Ser Ile Leu Tyr Thr Gln Lys
103      50              55              60
104 Lys Lys Gly Pro Pro
105      65
106 <210> SEQ ID NO 10
107 <211> LENGTH: 7
108 <212> TYPE: PRT
109 <213> ORGANISM: Monkey virus
110 <300> PUBLICATION INFORMATION:
111 <301> AUTHORS: Kalderon et al.,
112 <303> JOURNAL: Cell
113 <305> ISSUE: 39
114 <306> PAGES: 499-509
115 <307> DATE: 1984
116 <400> SEQUENCE: 10
117 Pro Lys Lys Lys Arg Lys Val
118      1              5
119 <210> SEQ ID NO 11
120 <211> LENGTH: 6
121 <212> TYPE: PRT
122 <213> ORGANISM: Homo sapiens
123 <400> SEQUENCE: 11
124 Ala Arg Arg Arg Arg Pro
125      1              5
126 <210> SEQ ID NO 12
127 <211> LENGTH: 10
128 <212> TYPE: PRT
129 <213> ORGANISM: Homo sapiens
130 <300> PUBLICATION INFORMATION:
131 <301> AUTHORS: Ghosh et al.,
132 <303> JOURNAL: Cell
133 <304> VOLUME: 62
134 <306> PAGES: 1019-
135 <307> DATE: 1990
136 <400> SEQUENCE: 12
137 Glu Glu Val Gln Arg Lys Arg Gln Lys Leu
138      1              5              10
139 <210> SEQ ID NO 13
140 <211> LENGTH: 9
141 <212> TYPE: PRT
142 <213> ORGANISM: Homo sapiens
143 <300> PUBLICATION INFORMATION:
144 <301> AUTHORS: Boulikas,

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PATENT APPLICATION US/09/157,748

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145 <303> JOURNAL: J. Cell. Biochem.
146 <304> VOLUME: 55
147 <305> ISSUE: 1
148 <306> PAGES: 32-58
149 <307> DATE: 1994
150 <300> PUBLICATION INFORMATION:
151 <301> AUTHORS: Nolan et al.,
152 <303> JOURNAL: Cell
153 <304> VOLUME: 64
154 <306> PAGES: 961-
155 <307> DATE: 1991
156 <400> SEQUENCE: 13
157     Glu Glu Lys Arg Lys Arg Thr Tyr Glu
158         1             5
159 <210> SEQ ID NO 14
160 <211> LENGTH: 20
161 <212> TYPE: PRT
162 <213> ORGANISM: Xenopus
163 <300> PUBLICATION INFORMATION:
164 <301> AUTHORS: Dingwall et al.,
165 <303> JOURNAL: Cell
166 <304> VOLUME: 30
167 <306> PAGES: 449-458
168 <307> DATE: 1982
169 <300> PUBLICATION INFORMATION:
170 <301> AUTHORS: Dingwall et al.,
171 <303> JOURNAL: J. Cell Biol.
172 <304> VOLUME: 107
173 <306> PAGES: 641-849
174 <307> DATE: 1988
175 <400> SEQUENCE: 14
176     Ala Val Lys Arg Pro Ala Ala Thr Lys Lys Ala Gly Gln Ala Lys Lys
177         1             5             10             15
178     Lys Lys Leu Asp
179         20
180 <210> SEQ ID NO 15
181 <211> LENGTH: 31
182 <212> TYPE: PRT
183 <213> ORGANISM: Homo sapiens
184 <300> PUBLICATION INFORMATION:
185 <301> AUTHORS: Nakauchi et al.,
186 <303> JOURNAL: Proc. Natl. Acad. Sci. U.S.A.
187 <304> VOLUME: 82
188 <306> PAGES: 5126-
189 <307> DATE: 1985
190 <400> SEQUENCE: 15
191     Met Ala Ser Pro Leu Thr Arg Phe Leu Ser Leu Asn Leu Leu Leu Leu
192         1             5             10             15
193     Gly Glu Ser Ile Leu Gly Ser Gly Glu Ala Lys Pro Gln Ala Pro
194         20             25             30

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195 <210> SEQ ID NO 16
196 <211> LENGTH: 21
197 <212> TYPE: PRT
198 <213> ORGANISM: Homo sapiens
199 <300> PUBLICATION INFORMATION:
200 <301> AUTHORS: Staunton et al.,
201 <303> JOURNAL: Nature
202 <304> VOLUME: 339
203 <306> PAGES: 61-
204 <307> DATE: 1989
205 <400> SEQUENCE: 16
206 Met Ser Ser Phe Gly Tyr Arg Thr Leu Thr Val Ala Leu Phe Thr Leu
207      1              5              10              15
208      Ile Cys Cys Pro Gly
209              20

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210 <210> SEQ ID NO 17
211 <211> LENGTH: 51
212 <212> TYPE: PRT
213 <213> ORGANISM: Homo sapiens
214 <300> PUBLICATION INFORMATION:
215 <301> AUTHORS: Nakauchi et al.,
216 <303> JOURNAL: Proc. Natl. Acad. Sci. U.S.A.
217 <304> VOLUME: 82
218 <306> PAGES: 5126-
219 <307> DATE: 1985
220 <400> SEQUENCE: 17
221 Pro Gln Arg Pro Glu Asp Cys Arg Pro Arg Gly Ser Val Lys Gly Thr
222      1              5              10              15
223 Gly Leu Asp Phe Ala Cys Asp Ile Tyr Ile Trp Ala Pro Leu Ala Gly
224              20              25              30
225 Ile Cys Val Ala Leu Leu Leu Ser Leu Ile Ile Thr Leu Ile Cys Tyr
226              35              40              45
227 His Ser Arg
228      50

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229 <210> SEQ ID NO 18
230 <211> LENGTH: 33
231 <212> TYPE: PRT
232 <213> ORGANISM: Homo sapiens
233 <300> PUBLICATION INFORMATION:
234 <303> JOURNAL: Nature
235 <304> VOLUME: 339
236 <306> PAGES: 61-
237 <307> DATE: 1989
238 <400> SEQUENCE: 18
239 Met Val Ile Ile Val Thr Val Val Ser Val Leu Leu Ser Leu Phe Val
240      1              5              10              15
241 Thr Ser Val Leu Leu Cys Phe Ile Phe Gly Gln His Leu Arg Gln Gln
242              20              25              30
243 Arg
244 <210> SEQ ID NO 19

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**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

✓

Input Set: I157748.RAW

Line ? Error/Warning

Original Text

525 W "N" or "Xaa" used: Feature required

Met Gly Xaa Xaa Xaa Xaa Gly Gly Pro Pro